

FIG. 1

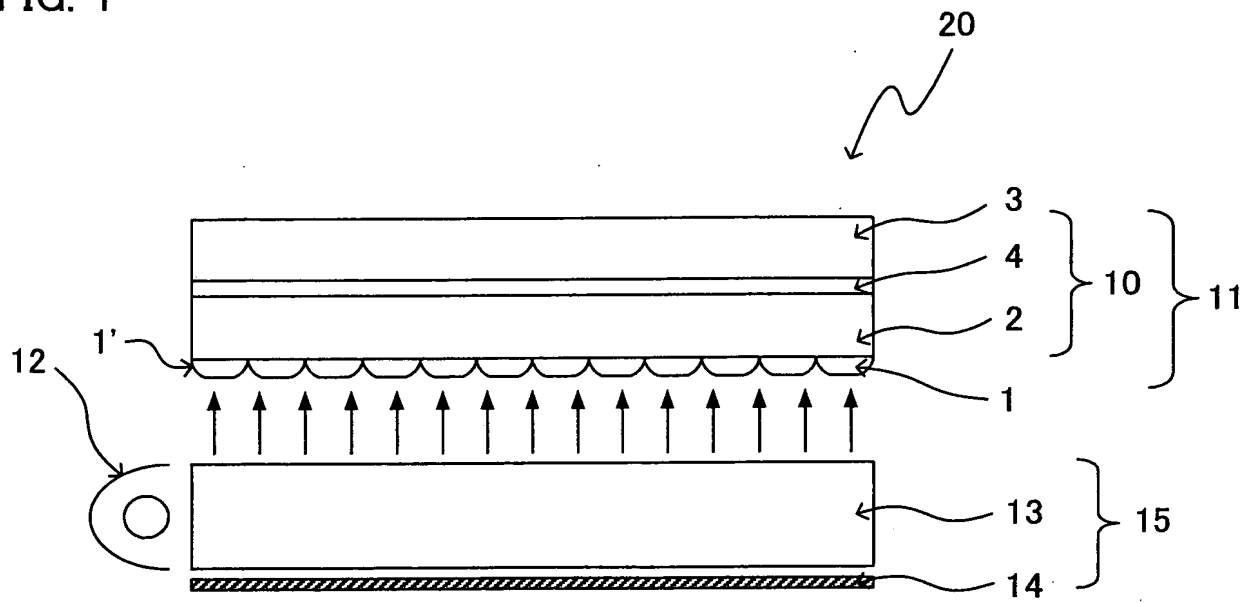


FIG. 2 (a)

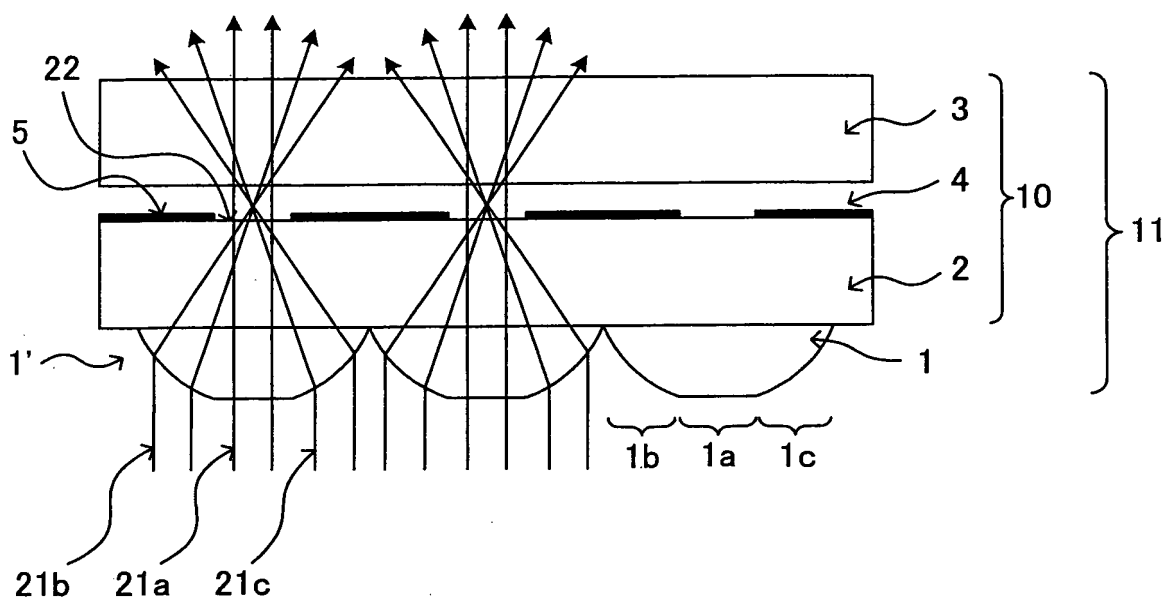


FIG. 2 (b)

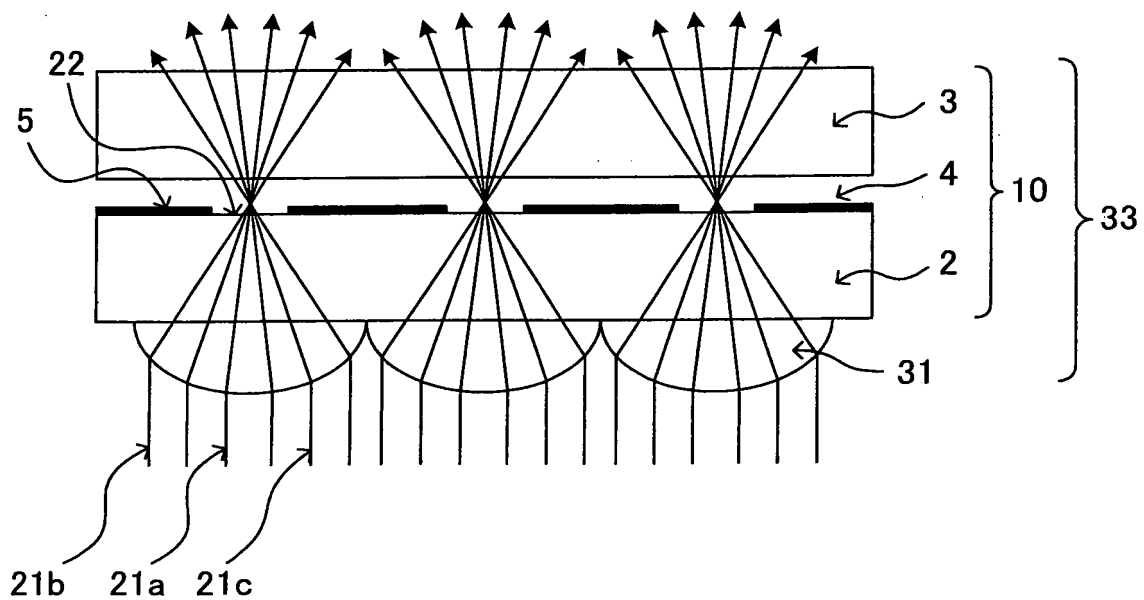


FIG. 3

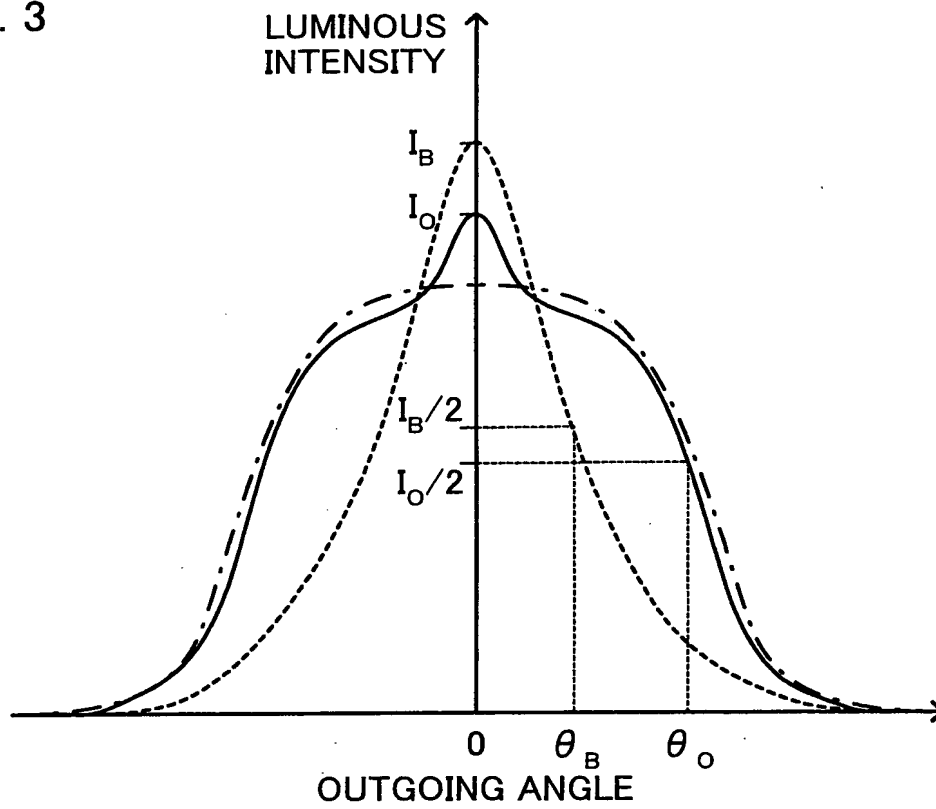
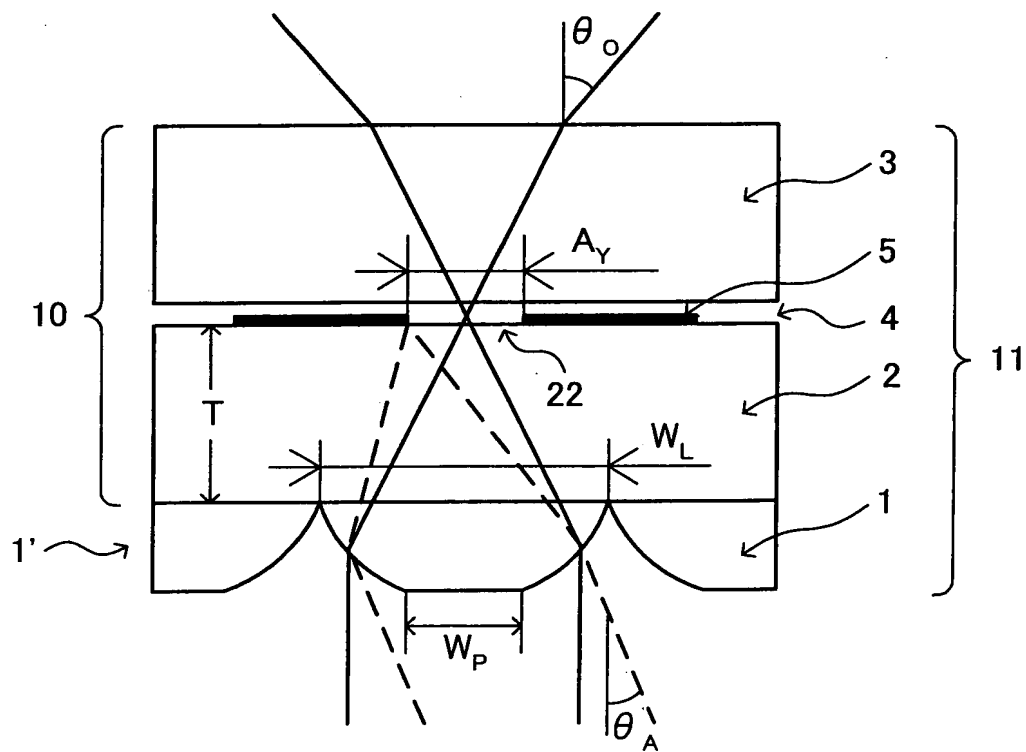


FIG. 4



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FIG. 5

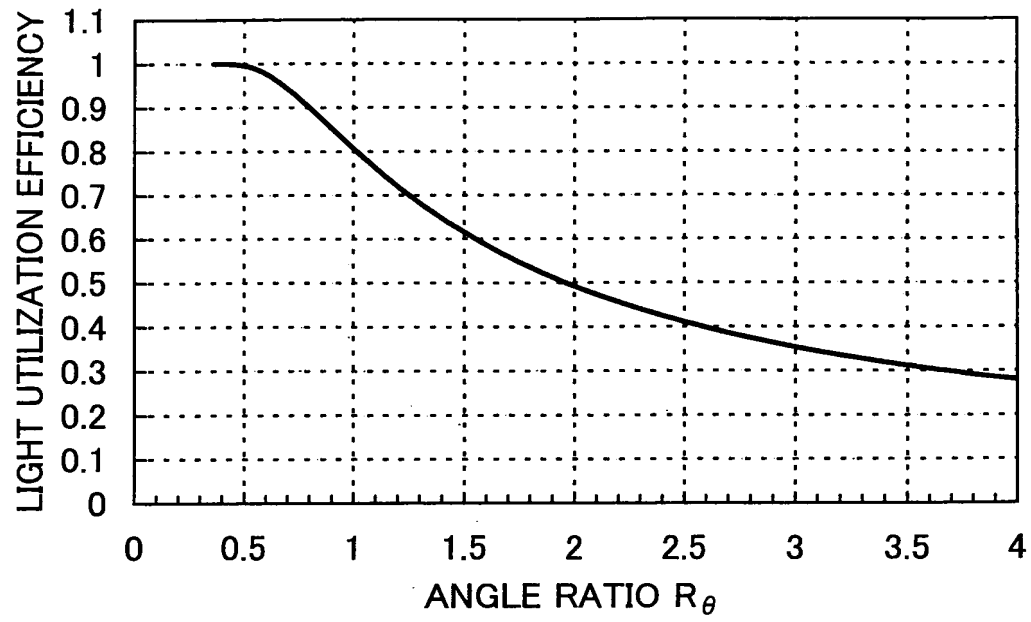


FIG. 6

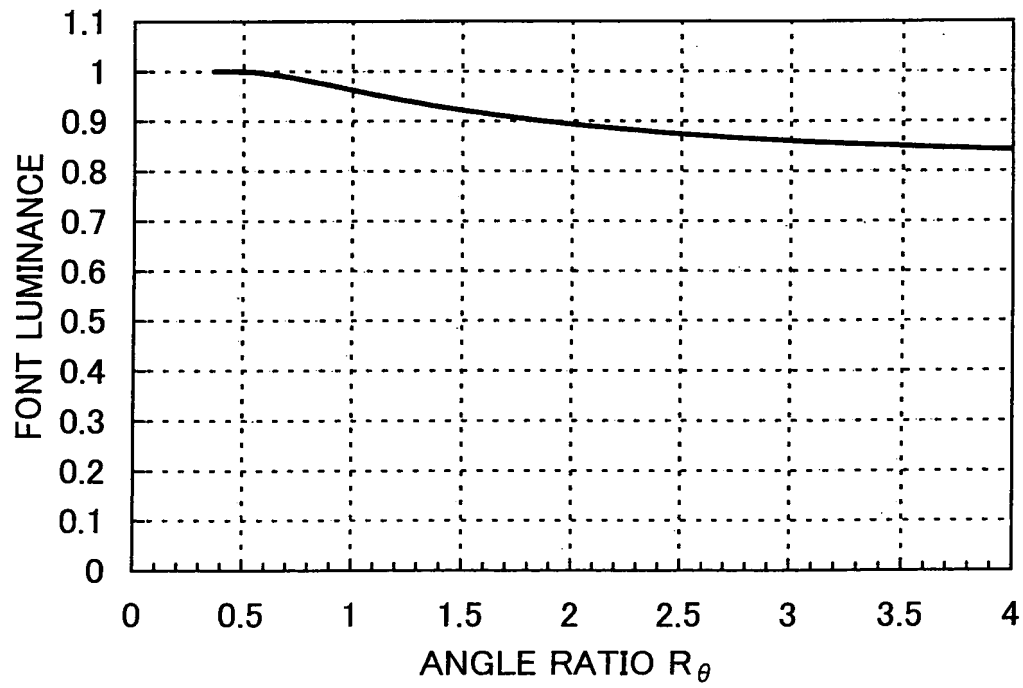


FIG. 7 (a)

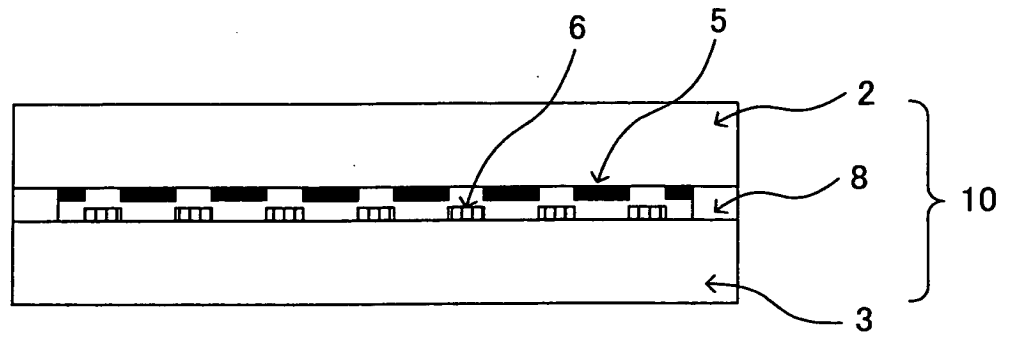


FIG. 7 (b)

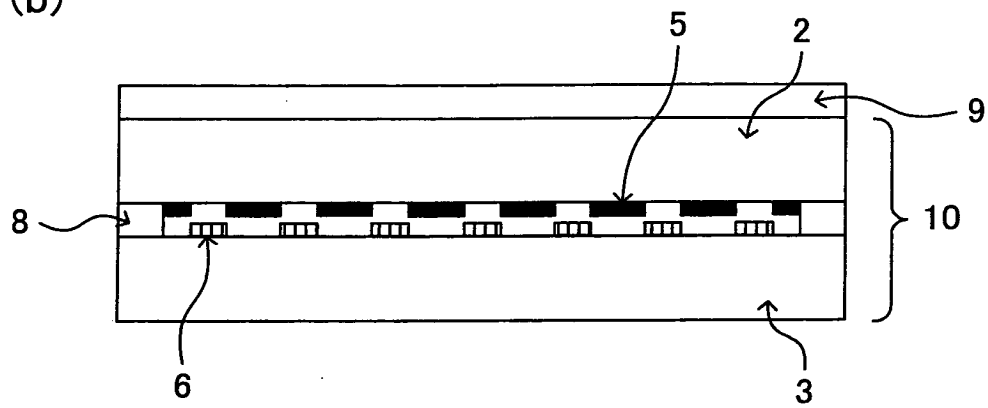


FIG. 7 (c)

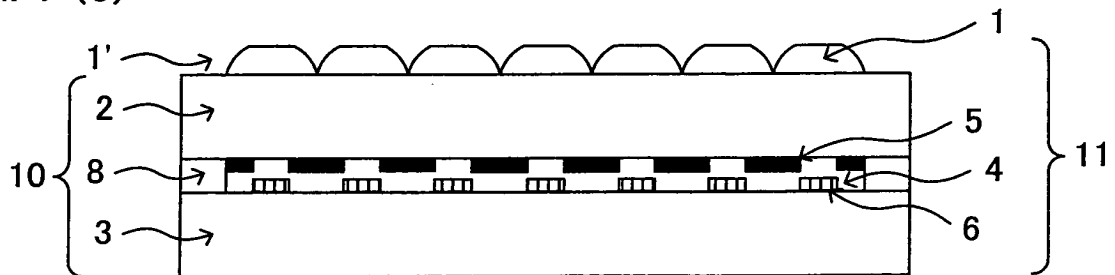


FIG. 7 (d)

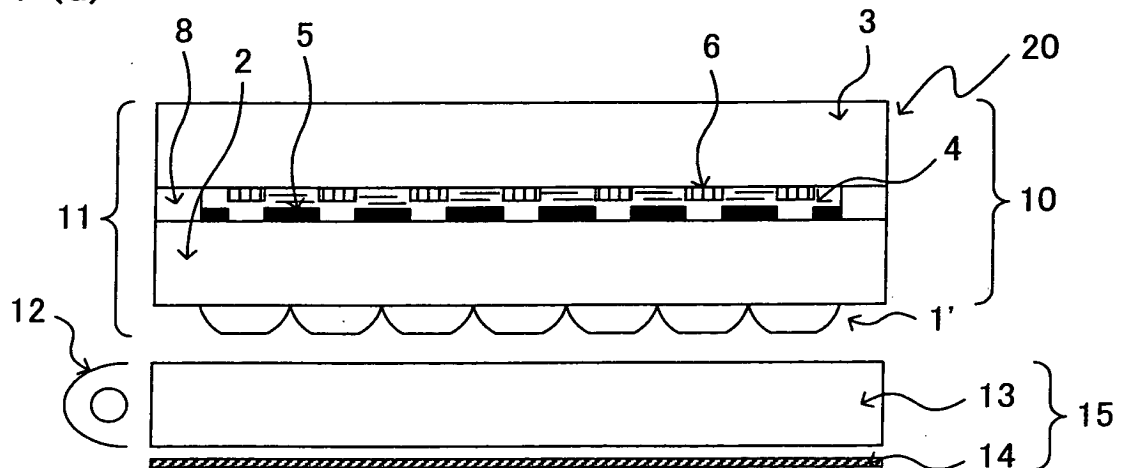


FIG. 8 (a)

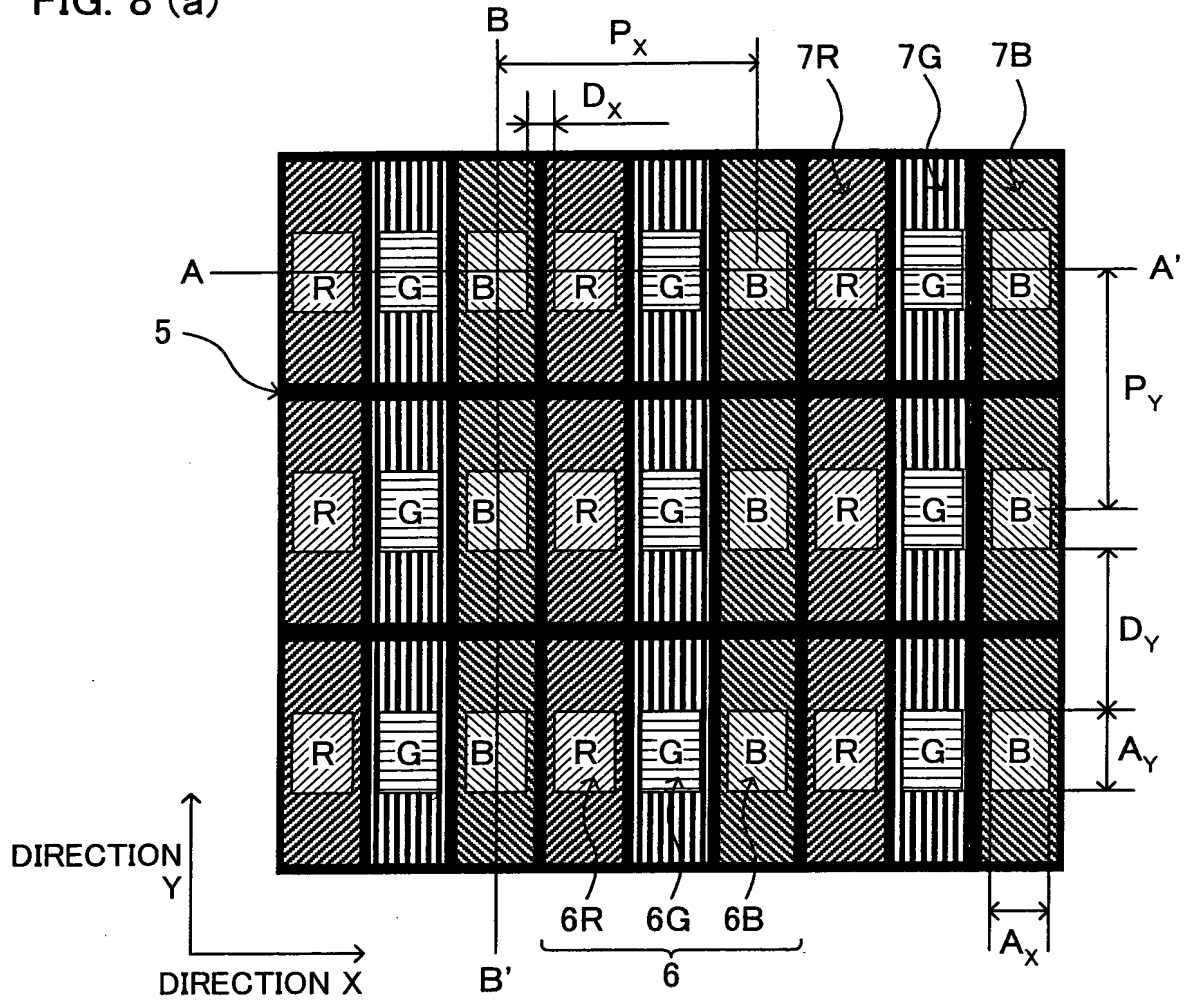


FIG. 8 (b)

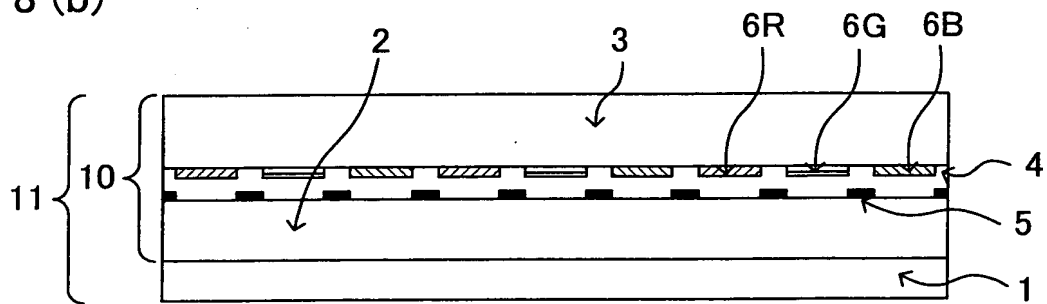


FIG. 8 (c)

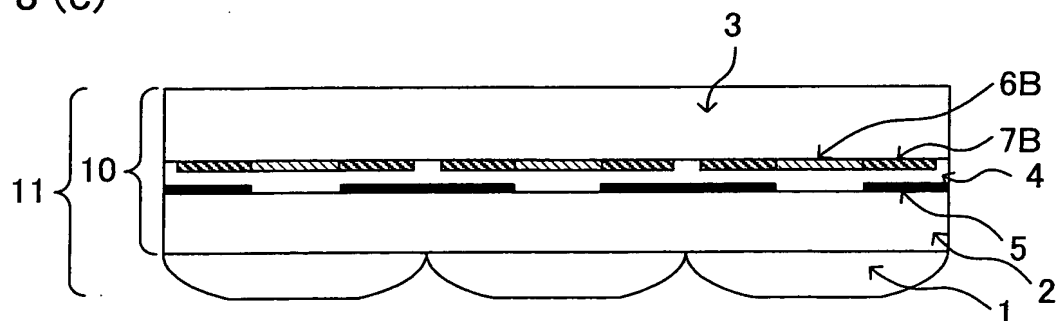


FIG. 9 (a)

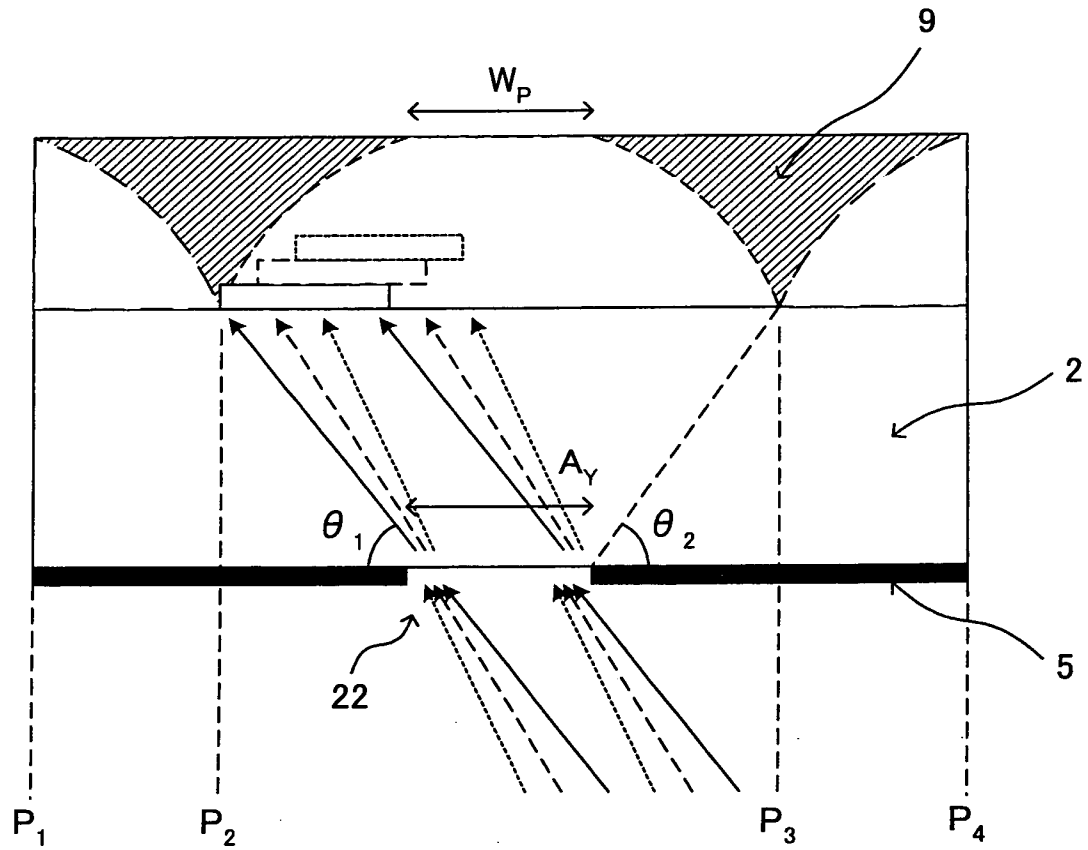


FIG. 9 (b)

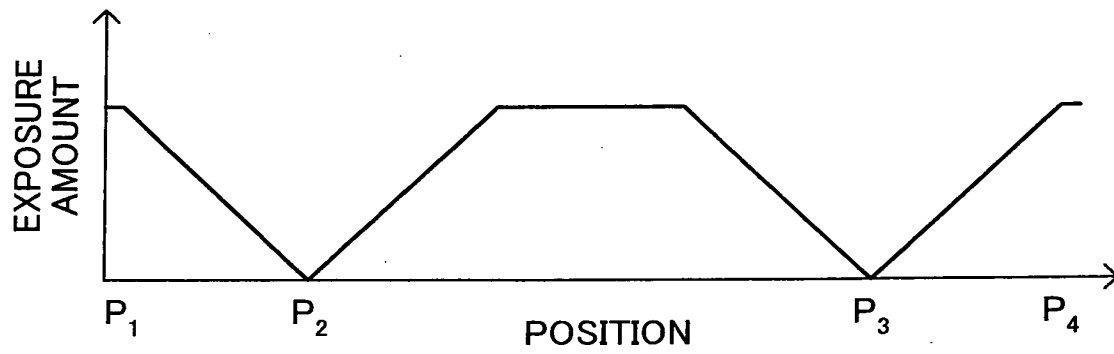


FIG. 10 (a)

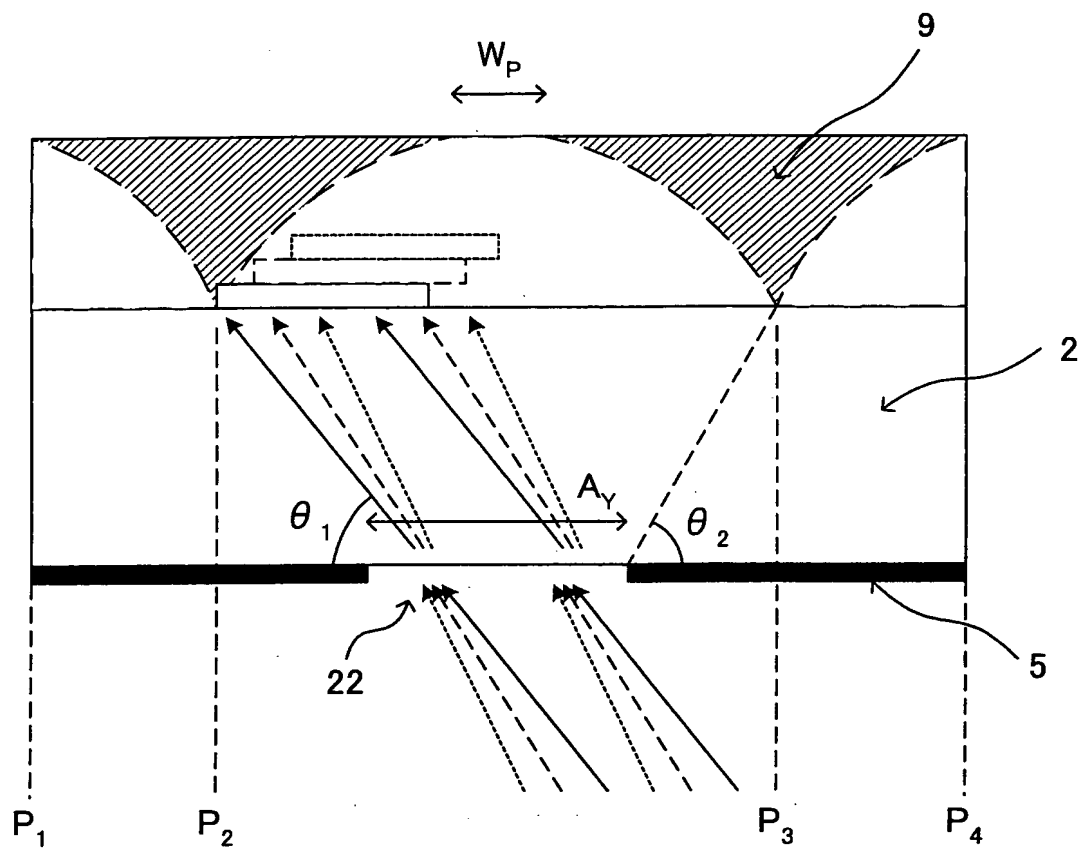
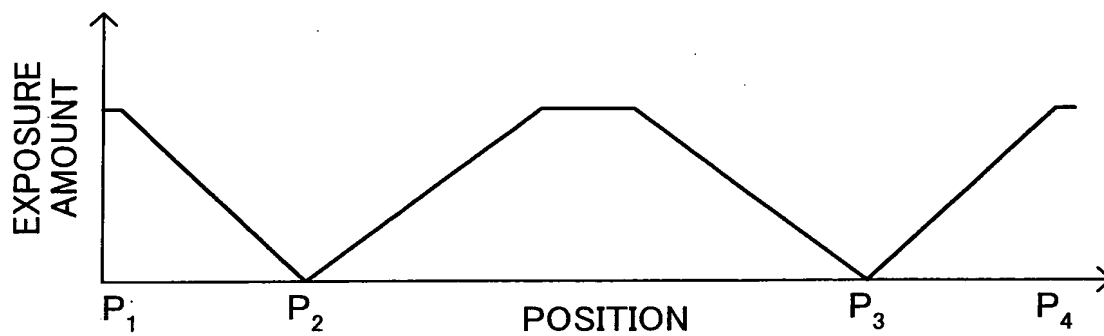


FIG. 10 (b)



The diagram shows a cross-sectional view of a light source assembly. A light guide (2) is positioned above a light emitting element (5). The light guide has a top surface with a semi-circular shape and a bottom surface with a semi-circular shape. A light emitting element (5) is located below the light guide. Light rays (22) are shown emanating from the light emitting element and passing through the light guide. The light rays are labeled with angles θ_1 and θ_2 relative to the normal. The distance between the light emitting element and the light guide is labeled A_Y . The total height of the assembly is labeled T . The light emitting element is labeled 5, the light guide is labeled 2, and the light rays are labeled 22. The top surface of the light guide is labeled 1, and the bottom surface is labeled 3. The light emitting element is labeled 5, and the light rays are labeled 22. The light emitting element is labeled 5, and the light rays are labeled 22. The light emitting element is labeled 5, and the light rays are labeled 22.

FIG. 11 (b)

The graph shows the exposure amount as a function of position. The vertical axis is labeled 'EXPOSURE AMOUNT' and the horizontal axis is labeled 'POSITION'. A horizontal dashed line represents the threshold D_T . The exposure profile is a solid line that starts at a value above D_T at position P_1 , decreases linearly to zero at P_2 , increases linearly to a peak above D_T , decreases linearly to zero at P_3 , and then increases linearly again. A dotted line, labeled 'ACCUMULATED EXPOSURE AMOUNT', follows the solid line from P_1 to P_2 , remains constant at the peak value from P_2 to P_3 , and then increases linearly from P_3 to P_4 . An arrow points from the label 'ACCUMULATED EXPOSURE AMOUNT' to the dotted line.

FIG. 12

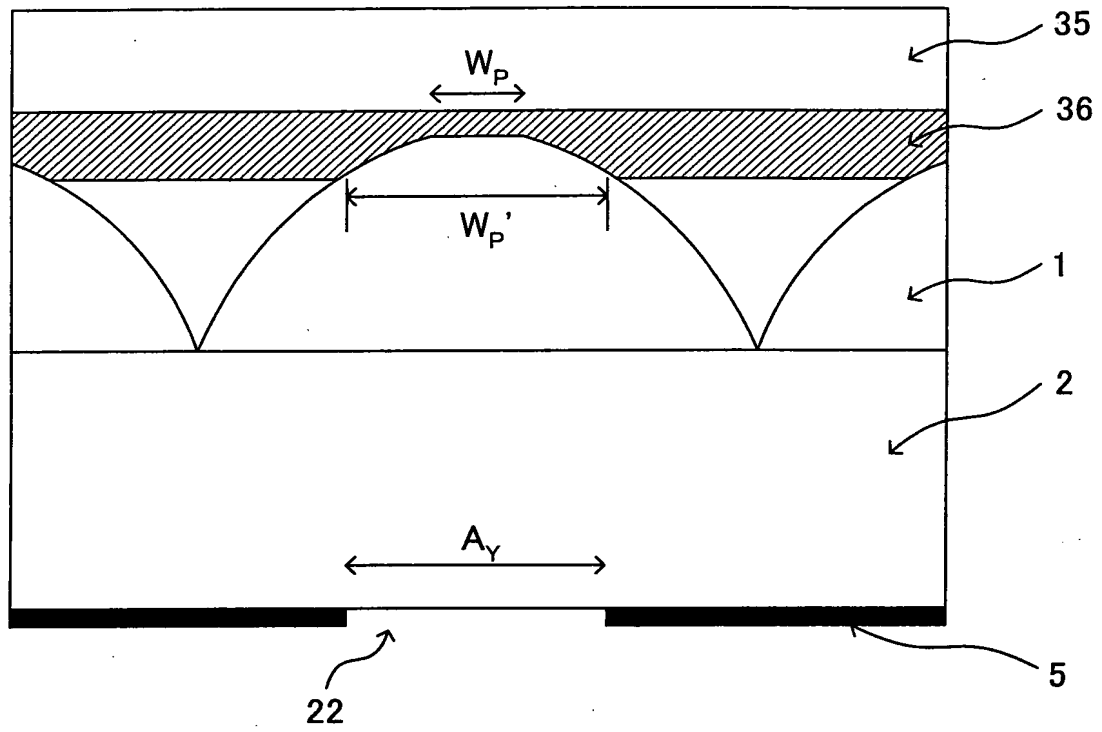


FIG. 13 (a)

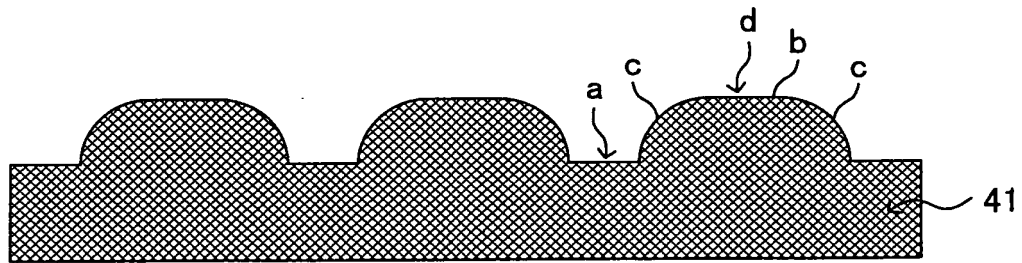


FIG. 13 (b)

